

REMARKS

Claims 1, 2, 5, 8-11, 14, 15, 18, 21-24, 27-33, 35-41, and 43-56 are pending. Claims 1, 5, 11, 14, 18, 24, 28, 33, 36, and 41 have been amended. No new matter has been entered. Claims 1, 2, 5, 8-11, 14, 15, 18, 21-24, 27-33, 35-41, and 43-56 remain in the application.

The drawings stand subject to objection under 37 CFR 1.84. The specification has been amended to address the remaining objections to the drawings. No new matter has been added. Withdrawal of the objection is respectfully requested.

Claims 1, 2, 5, 8-11, 14, 15, 18, 21-24, 27-33, 35-41, and 43-56 stand rejected under 35 U.S.C. § 101 as directed to non-statutory subject matter. Applicant traverses the rejection.

When functional descriptive material is recorded on some computer-readable medium, the functional descriptive material becomes structurally and functionally interrelated and will be statutory in most cases. MPEP 2106 (IV)(B)(1). Claim 1 has been amended to recite a concept space to visualize document content that is stored as clusters as multi-dimensional data *in a memory* based on extracted terms. Claim 1 further recites a placement module to place the clusters set into a two-dimensional visual display area *of the memory*. Support for both amendments can be found in the specification on page 6, lines 13-15. Multi-dimensional data includes two-dimensional data, which are both stored in memory and are thus statutory.

Similarly, Claim 14 has been amended to recite visualizing document content as clusters that are stored as multi-dimensional data *in a memory* based on extracted terms. Claim 14 further recites placing the clusters set into a two-dimensional visual display area *of the memory*. Support for both amendments can be found in the specification on page 6, lines 13-15. Multi-dimensional data includes two-dimensional data, which are both stored in memory and are thus statutory.

Similarly, Claim 28 has been amended to recite a plurality of clusters

selected to represent a multi-dimensional visualization space stored as clusters of multi-dimensional data *in a memory*. Claim 28 further recites a placement module to place the clusters in a two-dimensional visual display area *of the memory*. Support for both amendments can be found in the specification on page 5 6, lines 13-15. Multi-dimensional data includes two-dimensional data, which are both stored in memory and are thus statutory.

Finally, Claim 36 has been amended to recite selecting clusters representing a multi-dimensional visualization space stored as clusters of multi-dimensional data *in a memory*. Claim 36 further recites placing the clusters in a 10 two-dimensional visual display area *of the memory*. Support for both amendments can be found in the specification on page 6, lines 13-15. Multi-dimensional data includes two-dimensional data, which are both stored in memory and are thus statutory.

Accordingly, Claims 1, 14, 28, and 36 recite statutory subject matter. 15 Claims 2, 5, 8-11, and 45-48 are dependent on Claim 1 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. Claims 15, 18, 21-24, 27, and 49-52 are dependent on Claim 14 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. Claims 29-33, 35, 53, and 54 are dependent on Claim 28 and are 20 patentable for the above-stated reasons, and as further distinguished by the limitations therein. Claims 37-41, 43, 44, 55, and 56 are dependent on Claim 36 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. As the claimed invention is now directed to statutory subject matter, withdrawal of the rejection of Claims 1, 2, 5, 8-11, 14, 15, 18, 21- 25 24, 27-33, 35-41, and 43-56 under 35 U.S.C. § 101 is respectfully requested.

Claims 1, 2, 5, 8-11, 14, 15, 18, 21-24, 27-33, 35-41, and 43-56 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. Claims 1, 5, 11, 14, 18, 24, 28, 33, 36, and 41 have been amended.

Claim 1 has been amended to address the indefiniteness. No new matter 30 has been entered. Amended Claim 1 now recites an anchor point selector

submodule to choose one of the selected clusters from the two-dimensional visual display area and to determine an anchor point on the chosen cluster that is located on an open edge of the chosen cluster along a vector defined from a center of the chosen cluster, wherein the vector intersects the anchor point. Support can be found in the specification on page 4, lines 11-12; page 4, lines 17-18; page 6, lines 13-15; and page 14, lines 13-14. Claim 1 also recites a cluster placement submodule to place a center of a further selected cluster outside of the anchor point on the vector and to limit overlap of the chosen cluster and the further selected cluster. Support can be found in the specification on page 9, lines 10-11; page 10, lines 26-31; and page 15, lines 5-6. Claim 1 further recites an arrangement submodule to arrange one or more of the remaining selected clusters into an arrangement of clusters that each have a center originating outside of the anchor point and on the vector. Support can be found in the specification on page 10, lines 24-31 and page 14, lines 13-14. Claim 1 is now definite.

Claim 14 has also been amended to address the indefiniteness. No new matter has been entered. Amended Claim 14 now recites choosing one of the selected clusters from the two-dimensional visual display area and determining an anchor point on the chosen cluster that is located on an open edge of the chosen cluster along a vector defined from a center of the chosen cluster, wherein the vector intersects the anchor point. Support can be found in the specification on page 4, lines 11-12; page 4, lines 17-18; page 6, lines 13-15; and page 14, lines 13-14. Claim 14 also recites placing a center of a further selected cluster outside of the anchor point on the vector and limiting overlap of the chosen cluster and the further selected cluster. Support can be found in the specification on page 9, lines 10-11; page 10, lines 26-31; and page 15, lines 5-6. Claim 14 further recites arranging one or more of the remaining selected clusters into an arrangement of clusters that each have a center originating outside of the anchor point and on the vector. Support can be found in the specification on page 10, lines 24-31 and page 14, lines 13-14. Claim 14 is now definite.

Claim 28 has also been amended to address the indefiniteness. No new

matter has been entered. Claim 28 now recites an anchor submodule to choose a selected cluster from the two-dimensional visual display area and to determine an anchor point on the chosen cluster that is located on an open edge of the chosen cluster along a vector defined from a center of the chosen cluster, wherein the vector intersects the anchor point. Support can be found in the specification on page 4, lines 11-12; page 4, lines 17-18; page 6, lines 13-15; and page 14, lines 13-14. Claim 28 also recites a cluster placement submodule to place a center of a further selected cluster outside of the anchor point on the vector and to limit overlap of the chosen cluster and the further selected cluster. Support can be found in the specification on page 9, lines 10-11; page 10, lines 26-31; and page 15, lines 5-6. Claim 28 further recites a grafting submodule to place the center of a selected cluster and to graft the clusters in the remaining placeable clusters lists in the grouping outside the anchor point and along the vector in the two-dimensional visual display area. Support can be found in the specification on page 10, lines 24-31 and page 14, lines 13-14. Claim 28 is now definite.

Claim 36 has also been amended to address the indefiniteness. No new matter has been entered. Claim 36 now recites choosing a selected cluster from the two-dimensional visual display area and determining an anchor point on the chosen cluster that is located on an open edge of the chosen cluster along a vector defined from a center of the chosen cluster, wherein the vector intersects the anchor point. Support can be found in the specification on page 4, lines 11-12; page 4, lines 17-18; page 6, lines 13-15; and page 14, lines 13-14. Claim 36 also recites placing a center of a further selected cluster outside of the anchor point on the vector and limiting overlap of the chosen cluster and the further selected cluster. Support can be found in the specification on page 9, lines 10-11; page 10, lines 26-31; and page 15, lines 5-6. Claim 36 further recites placing the center of a selected cluster and grafting the clusters in the remaining placeable clusters lists in the grouping outside the anchor point along the vector in the two-dimensional visual display area. Claim 36 is now definite.

Claims 5 and 11 are dependent on Claim 1 and have been amended in

accordance with the amendments to Claim 1. Claims 18 and 24 are dependent on Claim 14 and have been amended in accordance with the amendments to Claim 14. Claim 33 is dependent on Claim 28 and has been amended in accordance with the amendments to Claim 28. Claim 41 is dependent on Claim 36 and has been amended in accordance with the amendments to Claim 36.

Claims 2, 5, 8-11, and 45-48 are dependent on Claim 1 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. Claims 15, 18, 21-24, 27, and 49-52 are dependent on Claim 14 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. Claims 29-33, 35, 53, and 54 are dependent on Claim 28 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. Claims 37-41, 43, 44, 55, and 56 are dependent on Claim 36 and are patentable for the above-stated reasons, and as further distinguished by the limitations therein. Withdrawal of the rejection of Claims 1, 2, 5, 8-11, 14, 15, 18, 21-24, 27-33, 35-41, and 43-56 under 35 U.S.C. § 112 is respectfully requested.

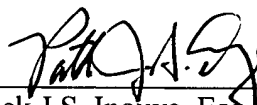
Claims 1, 2, 5, 8-11, 14, 15, 18, 21-24, 27-33, 35-41, and 43-56 are believed to be in a condition for allowance. Entry of the foregoing amendments is requested. Reconsideration of the claims and a Notice of Allowance are earnestly solicited. Please contact the undersigned at (206) 381-3900 regarding any questions or concerns associated with the present matter.

Respectfully submitted,

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